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The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1.   (previously presented) A method of translating a data stream into a context-insensitive tagged XML message, including:

receiving a data stream of structured messages, including context-setting messages and context-sensitive messages, said context-sensitive messages being meaningful only when matched with corresponding context-setting messages, said structured messages having one or more fields adapted to match the context-setting messages with the corresponding context-sensitive messages;

tagging the structured messages with XML tags corresponding to the structure of the messages;

matching the XML tagged context-setting messages with the corresponding XML tagged context-sensitive messages, utilizing the fields; and

generating context-insensitive XML retagged messages, the context-insensitive XML retagged messages having XML tags corresponding to the context of the context-sensitive messages; and

outputting the context-insensitive XML retagged messages.

2.   (original) The method of claim 1, wherein:

the context-setting messages include variable identifiers for variables to be reported;

the context-sensitive messages report values for the variables, said report messages including variable values but not the variable identifiers;

generating XML retagged messages includes generating XML tags corresponding to the variable identifiers and values corresponding to the variable identifiers.

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3.   (previously presented) The method of claim 2, further including accessing a dictionary that includes variable names corresponding to the variable identifiers, and generating XML tags corresponding to the variable names.

4.   (original) The method of claim 1, wherein:

the context-setting messages include report definition messages and report trigger messages, said report definition messages including a report identifier and one or more variable identifiers and said report trigger messages including an event identifier and one or more report identifiers;

the context-sensitive messages include report messages generated upon occurrence of an event associated with the event identifier, said report messages including the report identifier and variable values but not the variable identifiers; and

generating XML retagged messages includes generating XML tags corresponding to the variable identifiers and reporting the variable values.

5.   (previously presented) The method of claim 4, further including accessing a dictionary that includes variable names corresponding to the variable identifiers, and generating XML tags corresponding to the variable names.

6.   (original) The method of claim 1, wherein:

the context-setting messages include report definition messages, said report definition messages including a report identifier and one or more variable identifiers;

the context-sensitive messages include one or more report messages generated in response to a report demand message, said report messages including the report identifier and variable values but not the variable identifiers; and

generating XML retagged messages corresponding to the variable identifiers and the variable values.

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7.   (previously presented) The method of claim 6, further including accessing a dictionary that includes variable names corresponding to the variable identifiers, and generating XML tags corresponding to the variable names.

8.   (original) The method of claim 1, wherein the structured messages are compliant with a SECS standard.

9.   (original) The method of claim 8, wherein:
the context-setting messages include variable identifiers for variables to be reported;
the context-sensitive messages report values for the variables, said report messages including variable values but not the variable identifiers;
generating XML retagged messages includes generating XML tags corresponding to the variable identifiers and the variable values.

10.   (previously presented) The method of claim 9, further including accessing a dictionary that includes variable names corresponding to the variable identifiers, and generating XML tags corresponding to the variable names.

11.   (original) The method of claim 8, wherein:
the context-setting messages include report definition messages and report trigger messages, said report definition messages including a report identifier and one or more variable identifiers and said report trigger messages including an event identifier and one or more report identifiers;
the context-sensitive messages include report messages generated upon occurrence of an event associated with the event identifier, said report messages including the report identifier and variable values but not the variable identifiers; and
generating XML retagged messages includes generating XML tags corresponding to the variable identifiers and reporting the variable values.

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12.   (previously presented) The method of claim 11, further including accessing a dictionary that includes variable names corresponding to the variable identifiers, and generating XML tags corresponding to the variable names.

13.   (original) The method of claim 8, wherein:

the context-setting messages include report definition messages, said report definition messages including a report identifier and identifiers of variables to be reported;

the context-sensitive messages include one or more report messages generated in response to a report demand message, said report messages including the report identifier and variable values but not the variable identifiers; and

generating XML retagged messages corresponding to the identifiers of the variables and values corresponding to the values for the variables reported.

14.   (previously presented) The method of claim 13, further including accessing a dictionary that includes variable names corresponding to the variable identifiers, and generating XML tags corresponding to the variable names.

15.   (original) An improved method of generating XML tagged messages from multiple types of structured, non-XML messages, received by a computer system operating one or more translation programs and subjecting the messages received to format checking and data validity checking, the improved method including:

tagging the structured, non-XML messages with XML tags corresponding to the structure of the messages;

interpreting content and the structure of the structure tagged message to identify fields of the structure tagged messages;

generating field tagged messages from the structure tagged messages, said field tagged messages having XML tags corresponding to the identified fields of the structure tagged messages; and

checking the field tagged messages for data format and data validity checking

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utilizing tools adapted to XML formatted messages.

16.   (previously presented) The method of claim 15, further including accessing a dictionary that includes variable names corresponding to the variable identifiers, and generating XML tags corresponding to the variable names.

17.   (previously presented) An improved method of generating XML tagged messages from multiple types of structured, non-XML messages, received by a computer system operating one or more translation programs and subjecting the messages received to business logic processing, the improved method including:

tagging the structured, non-XML messages with XML tags corresponding to the structure of the messages;

interpreting content and the structure of the structure tagged message to identify fields of the structure tagged messages;

generating field tagged messages from the structure tagged messages, said field tagged messages having XML tags corresponding to the identified fields of the structure tagged messages; and

applying business logic processing to the field tagged messages utilizing tools adapted to processing XML formatted messages.

18.   (original) The method of claim 17, wherein tagging of structured, non-XML messages to form field tagged messages precedes applying business logic processing to data in the structured, non-XML message.

19. (new) A device, including:

memory;

a processor connected to the memory; and

logic and resources operative on the processor and memory, adapted to carry out the method of claim 1.

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20. (new) A device, including:

memory;

a processor connected to the memory; and

logic and resources operative on the processor and memory, adapted to carry out the method of claim 15.

21. (new) A device, including:

memory;

a processor connected to the memory; and

logic and resources operative on the processor and memory, adapted to carry out the method of claim 17.